

## ABSTRACT OF THE DISCLOSURE

A compressor, which is cooled by cooling medium, includes a compression chamber, a first cooling chamber and a second cooling chamber. In the compression chamber, gas is compressed and then discharged therefrom. The first cooling chamber, in which the cooling medium flows, is provided so as to adjoin the compression chamber for cooling the gas in the compression chamber. The second cooling chamber adjoins the first cooling chamber. The second cooling chamber has a gas passage in which the discharged gas flows and a medium passage in which the cooling medium flows. The medium passage is arranged so as to restrain transmission of heat of the discharged gas in the gas passage to the cooling medium in the first cooling chamber.